

## MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.  
4 BLAIR DRIVE  
BRAMPTON, ONTARIO  
L6T 2H5  
TEL# (905) 456-9444

EMERGENCY # CANUTEC (613) 996-6666  
**"USE IN CASE OF CHEMICAL EMERGENCY ONLY"**

W.H.M.I.S. CLASSIFICATION D2B

MATERIAL REFERENCE NO: 101400

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: AERO 7070	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: EXTERIOR AIRCRAFT CLEANER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM TRIPOLY- PHOSPHATE	1.0-5.0	NONE	7758-29-4	3100 MG/KG
SODIUM DODECYL- BENZENE SULPHONATE	5.0-10.0	NO DATA AVAILABLE	1322-98-1	1260 MG/KG
2-BUTOXYETHANOL	1.0-5.0	25	111-76-2	470 MG/KG
SODIUM SILICATE	1.0-5.0	NO DATA AVAILABLE	1344-09-8	1960 MG/KG
2-ETHYLHEXYL SODIUM SULPHATE	1.0-5.0		126-92-1	11000 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, LIGHT BLUE LIQUID; SOLVENT ODOUR		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.065	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) > 1	EVAPORATION RATE (WATER = 1) >1	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) >100	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) 85
pH (10% SOLUTION) 11.0-11.5	DENSITY (G/ML) NOT APPLICABLE	COEF.OF WATER/OIL DISTR NOT AVAILABLE

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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

| FLAMMABILITY: NON-FLAMMABLE  
| IF YES, UNDER WHICH CONDITIONS:

| MEANS OF EXTINCTION: WATER FOG, CARBON DIOXIDE

| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-  
| CONTAINED BREATHING APPARATUS.

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| FLASH POINT (C) AND METHOD: NONE (TCC)

| HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE,  
| OXIDES OF SULPHUR, HYDROGEN, ALDEHYDES, KETONES.

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| UPPER EXPLOSION LIMIT | LOWER EXPLOSION LIMIT | AUTOIGNITION TEMP (C)  
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE

| EXPLOSION DATA SENSITIVITY | RATE OF BURNING | EXPLOSIVE POWER  
| TO CHEMICAL IMPACT | |  
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE

| SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE

SECTION V - REACTIVITY DATA

| CHEMICAL STABILITY: STABLE  
| IF NO, UNDER WHICH CONDITIONS:  
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| INCOMPATIBILITY TO OTHER SUBSTANCES: YES

| IF SO, WHICH ONES: STRONG ACIDS, OXIDIZING AGENTS, REDUCING AGENTS,  
| ZINC, MAGNESIUM, ALUMINUM, GALVANIZED METALS.

| REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED

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| HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN YIELD  
| CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF SULPHUR, HYDROGEN,  
| ALDEHYDES, KETONES.

SECTION VI - HEALTH HAZARD DATA

| ROUTE OF ENTRY:

| SKIN CONTACT: YES SKIN ABSORPTION: YES EYE CONTACT: YES  
| INHALATION: YES INGESTION: YES

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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL:  
|EYES-CONCENTRATE MAY CAUSE IRRITATION, STINGING, TEARING.  
|SKIN-CONCENTRATE MAY CAUSE IRRITATION, ITCHING OR TINGLING,  
|INFLAMMATION.  
|INHALATION-HIGH CONCENTRATIONS MAY CAUSE HEADACHES, DIZZINESS,  
|NAUSEA AND VOMITING.  
|INGESTION-MAY CAUSE HEADACHE, NAUSEA, VOMITING, GASTRO-INTESTINAL  
|IRRITATION.  
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:  
|EYES-PROLONGED OR REPEATED CONTACT MAY CAUSE MODERATE TO SEVERE  
|IRRITATION, POSSIBLE CORNEAL INJURY.  
|BUTYL CELLOSOLVE IS A HEMOLYTIC AGENT CHARACTERIZED BY A REDUCTION  
|OF RED BLOOD CELLS AND BLOOD IN THE URINE.  
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|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL  
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | LOW

|SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS  
| NOT AVAILABLE | NOT AVAILABLE

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:  
| NONE KNOWN  
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## SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT:  
|  
| GLOVES: PVA WHEN HANDLING CONCENTRATE  
| RESPIRATORY: NOT NORMALLY REQUIRED. NIOSH/MSHA APPROVED VAPOUR  
| CANISTER IF MISTING OCCURS.  
| EYE: CHEMICAL GOGGLES OR FACE SHIELD IF SPLASHING EXPECTED.  
| FOOTWEAR: NO SPECIAL REQUIREMENTS  
| CLOTHING: NO SPECIAL REQUIREMENTS  
| OTHER: EYE WASH AND SAFETY SHOWER  
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL  
| VENTILATION IN CONFINED AREAS OR IF TLV IS EXCEEDED.

|LEAK AND SPILL PROCEDURE: CONTAIN SPILL. WEAR RECOMMENDED PROTECTIVE  
|EQUIPMENT. TRANSFER INTO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL.  
|ABSORB REMAINING MATERIAL ONTO INERT ABSORBANT AND SCOOP INTO  
|DISPOSAL CONTAINER. FLUSH RESIDUAL WITH VOLUMES OF WATER.

|WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND  
|FEDERAL REGULATIONS.

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SECTION VIII - FIRST AID MEASURES

| PROCEDURES:

| EYES-FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELIDS  
| OPEN. IF IRRITATION PERSISTS SEEK MEDICAL ASSISTANCE.  
| SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH WATER  
| FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE IF IRRITATION  
| PERSISTS. LAUNDER CLOTHING BEFORE REUSE.  
| INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT,  
| GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION  
| THEN GIVE OXYGEN. GET MEDICAL ATTENTION.  
| INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. GUARD AGAINST  
| ASPIRATION INTO LUNGS. GET IMMEDIATE MEDICAL ATTENTION.

| SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS |

| ADDITIONAL INFORMATION: NONE |

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PACKING GROUP
NOT REGULATED			

| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN.  
| AVOID BREATHING OF VAPOURA. WASH THOROUGHLY AFTER HANDLING.

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM  
| INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP  
| FROM FREEZING.

| SPECIAL SHIPPING INFORMATION: HEATED |

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	2

SECTION XI - PREPARATION DATE OF MSDS

| PREPARED BY: TECHNICAL DEPARTMENT      TELEPHONE # (905) 456-9444 |  
| REVIEWED: OCTOBER 23, 2009 |

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